

App. No. 09/995447
Amd. Dated November 5, 2003
Office Action Dated August 5, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Claim 1 is amended.

Claim 15 is new.

Listing of Claims:

1. (Currently Amended) A top-emission organic electro-luminescent display (OLED) comprising:

~~a substrate; having at least an anode layer, an organic fluorescent film, at least a cathode layer, a barrier layer and a protection layer; and~~

at least an anode layer, an organic fluorescent film, at least a cathode layer and a barrier layer successively formed overlying the substrate;

a protection layer formed overlying the barrier layer; and

a transparent sealing structure glued to the top of the substrate the protection layer;

wherein, the transparent sealing structure comprises ~~an adhesion layer glued to the protection layer, a plurality of organic resin layers formed on the adhesion layer, a plurality of inorganic barrier layers disposed between the organic resin layers, a flexible polymer film formed on the organic resin layer, and a hard coat formed on the flexible polymer film;~~

a flexible polymer film;

a hard coat formed overlying a first side of the flexible polymer film;

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a plurality of organic resin layers formed overlying a second side of the flexible polymer film;

a plurality of inorganic barrier layers formed between the organic resin layers; and

a first transparent adhesion layer formed overlying the organic resin layers and glued to the protection layer.

2. (Original) The top-emission OLED according to claim 1, wherein the top-emission OLED is a passive matrix type.
3. (Original) The top-emission OLED according to claim 1, wherein the top-emission OLED is an active matrix type.
4. (Original) The top-emission OLED according to claim 1, wherein the cathode layer uses transparent conductive materials.
5. (Original) The top-emission OLED according to claim 1, wherein the barrier layer uses transparent inorganic materials.
6. (Original) The top-emission OLED according to claim 5, wherein the barrier layer is formed by plasma enhanced chemical vapor deposition (PECVD).

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7. (Original) The top-emission OLED according to claim 1, wherein the protection layer uses transparent organic materials.

8. (Original) The top-emission OLED according to claim 1, wherein the inorganic barrier layer of the sealing structure is selected from one of the group consisting of SiC, SiO₂, Si₃N₄ and Al₂O₃.

9. (Original) The top-emission OLED according to claim 1, wherein the inorganic barrier layer of the sealing structure is formed by plasma enhanced chemical vapor deposition (PECVD).

10. (Original) The top-emission OLED according to claim 1, wherein the hard coat of the sealing structure is selected from one of the group consisting of hardened coating, anti-reflective coating, and 1/4 λ polarizer.

11-14 (previously withdrawn)

15.(New) The top-emission OLED according to claim 1, wherein the transparent sealing structure comprises a second transparent adhesion layer formed between two of the inorganic barrier layers.